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AN 92:130731 HCA

TI Coating of ethylene-vinyl acetate copolymer moldings

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PA Mitsui Polymers Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC C08J007-00

CC 42-4 (Coatings, Inks, and Related Products)

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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI JP 54148065 A2 19791119 JP 1978-55480 19780512

AB α -Olefin-vinyl ester copolymer moldings are treated with aq. solns. of alkali and cationic surfactants to improve the coating and printing processability of the moldings. Thus, an injection-molded 86:14 ethylene-vinyl acetate copolymer [24937-78-8] sheet (2 + 150 + 180 mm) was immersed 1 min in an aq. soln. 0.1% Arquad 2C-75 (I) and 4% NaOH at 60°, washed with H₂O, dried, and coated with urethane polymer. The adhesion of the coating to the substrate was (crosscut test result) 0/100 (failure), compared with 100/100 for a similar plate treated with solns. contg. I alone or NaOH alone.

ST ethylene copolymer sheet coating; vinyl acetate copolymer coating; surface treatment copolymer molding; cationic surfactant treatment copolymer; sodium hydroxide treatment copolymer; adhesion coating copolymer molding

IT Coating materials
(adhesion of, to ethylene-vinyl acetate copolymer, alkali-cationic surfactant treatment for improved)

IT Urethane polymers, uses and miscellaneous
RL: TEM (Technical or engineered material use); USES (Uses)
(coatings, on ethylene-vinyl acetate copolymer, adhesion improvement in relation to)

IT Surfactants
(cationic, ethylene-vinyl acetate copolymer treated with alkali and, for improved adhesion to coatings)

IT Quaternary ammonium compounds, uses and miscellaneous
RL: USES (Uses)
(dicoco alkylidimethyl, chlorides, ethylene-vinyl acetate copolymer treated with alkali and, for improved adhesion to coatings)

IT 24937-78-8
RL: USES (Uses)
(coating of moldings of, surface pretreatment for, cationic surfactant and alkali for)